

EXPRESS MAIL NO: EL773186662US

SEQUENCE LISTING

<110> Xu, Jiangchun Stolk, John A.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.509

<140> US 09/820,089

<141> 2001-03-27

<160> 35

<170> Corixa Invention Disclosure Database

<210> 1

<211> 502

<212> DNA

<213> Homo sapiens

400> :

ttttttttt tttttatcaa atgaatactt tattagagac ataacacgta taaaataaat 60 ttottttoat catgagatta coagasttta aaaccaaca acaacttctot attttacaag 120 ctaagacatg ttaaattott aaatgocata atttttgta actgotttg tcattcaact 180 cacaagtcta gaatgtgatt aagctacaaa tctaagtatt cacagatgt tcttaggctt 240 ggtttgtaac aatctagaag caatctgtt acaaagtgc cacaaagac ttttaaagaa 300 accaatttaa tgccaccaaa cataagcctg ctatacctg gaaacaaaaa attcacacc 360 taaattetag cagagtaaac gattccaact agaatgtctg tatatccata tgcacatt 420 atgactttgt aatatgtaat tcataataca gggttaggtg tgtggtatgg agctaggaaa 480 accaaagtag taggatatta ta

<210> 2 <211> 1929

<212> DNA

<213> Homo sapiens

<400> 2

gagagacatta actocagaca gactattact gagagagag agtstagac acattstaat 60 aagetsgaaac atstacectat gagagattaca actogacag gagagagaga acttsgaact 120 actocacats gagagagaca catstatacag astacacaca cattactsay attagacats catsgasacas cattacacag tagagacagac agattacaca cattattay titigacatstacaatsgaaac cattstagacast catagatacats catagacast 200 tacatagaaac cattstagacast tagagacast 300 tactagatac tacatagatac citigagaaa tagasacast 300 tactagatacat tacatagatacast catagastacastaga catagatagas gagasacat 360 agaststagast gagattstatt attacatsga gagastacataga atacattsga tacacattsg 420

<220>

<221> misc_feature <222> (1)...(102)

```
atattggttc ctgatgcccc cccaacaaaa ataaataaat aaattatggc tgctttattt 480
aaatataagg taqctagttt ttacacctga gataaataat aagcttagag tgtatttttc 540
cettgetttt gggggttcag aggagtatgt acaattette tgggaageea geettetgaa 600
ctttttqqta ctaaatcctt attggaacca agacaaaqqa aqcaaaattq gtctctttaq 660
agaccaattt gcctaaattt taaaatette etacacacat etagacgtte aagtttgcaa 720
atcagttttt agcaagaaa catttttget atacaaacat tttgetaagt ctgeecaaag 780
ccccccaat qcattccttc aacaaaatac aatctctgta ctttaaagtt attttagtca 840
tgaaatttta tatgcagaga gaaaaagtta ccgagacaga aaacaaatct aagggaaagg 900
aatattatgg gattaagetg ageaageaat tetggtggaa agteaaacet gteagtgete 960
cacaccaggg ctgtggtcct cccagacatg cataggaatg gccacaggtt tacactgcct 1020
teccagcaat tataagcaca ccagatteag ggagactgac caccaaggga tagtgtaaaa 1080
ggacattttc tcagttgggt ccatcagcag tttttcttcc tgcatttatt gttgaaaact 1140
attgtttcat ttettettt ataggeetta ttactgetta atecaaatgt gtaccattgg 1200
tgagacacat acaatgetet qaatacacta eqaatttqta ttaaacacat cagaatattt 1260
ccaaatacaa catagtatag tootgaatat gtacttttaa cacaagagag actattcaat 1320
aaaaactcac tgggtctttc atgtctttaa gctaagtaag tgttcagaag gttctttttt 1380
atattgtcct ccacctccat cattttcaat aaaagatagg gettttgctc ccttgttctt 1440
ggagggacca ttattacate tetgaaetae etttqtatee aacatgtttt aaateettaa 1500
atgaattgct ttctcccaaa aaaaqcacaa tataaagaaa cacaagattt aattattttt 1560
ctacttgggg ggaaaaaagt cctcatqtaq aaqcacccac ttttqcaatq ttqttctaaq 1620
ctatctatct aactctcagc ccatgataaa gttccttaag ctggtgattc ctaatcaagg 1680
acaagecace ctaqtgtete atgtttgtat ttqqteecaq ttqqqtacat tttaaaatee 1740
tgattttgga gacttaaaac caggttaatg gctaagaatg ggtaacatga ctcttgttgg 1800
attgttattt tttgtttgca atggggaatt tataagaagc atcaagtctc tttcttacca 1860
aagtettgtt aggtggttta tagttetttt ggetaacaaa teattitgga aataaagatt 1920
ttttactac
<210> 3
<211> 683
<212> DNA
<213> Homo sapiens
<400> 3
acaaagattg gtagctttta tattttttta aaaatgctat actaagagaa aaaacaaaag 60
accacaacaa tattccaaat tataqqttqa qaqaatqtqa ctatqaaqaa aqtattctaa 120
ccaactaaaa aaaatattga aaccactttt gattgaagca aaatgaataa tgctagattt 180
aaaaacagtg tgaaatcaca ctttggtctg taaacatatt tagctttgct tttcattcag 240
atgtatacat aaacttattt aaaatgtcat ttaagtgaac cattccaagg cataataaaa 300
aaagaggtag caaatgaaaa ttaaagcatt tattttggta gttcttcaat aatgatgcga 360
gaaactgaat teeatecagt agaageatet cettttgggt aatetgaaca agtreeaace 420
cagatagcaa catccactaa tocagcacca attoottoac aaagtootto cacagaagaa 480
gtgcgatgaa tattaattgt tgaattcatt tcagggcttc cttggtccaa ataaattata 540
gcttcaatgg gaagaggtcc tgaacattca gctccattga atgtgaaata ccaacgctga 600
cagcatgcat ttetgcattt tagcegaagt gagecactga acaaaactet tagageacta 660
tttgaacgca tcyttgtaaa tgt
<210> 4
<211> 755
<212> DNA
<213> Homo sapiens
```

```
<223> n=A, T, C or G
<400> 4
gatttgccct cgaggccasa attcggcacg aggctttaca aacatatgtc caaggactct 60
aaattqagac tottocacat qtacaatotc atcatoctga antotataat qaaqaaaaag 120
atctagaaac tgagttgygg agctgactct aatcaaatgt gatgattgga attagaccat 180
ttggcctttg aactttcata ggaaaaatga cccaacattt cttagcatga gctacctcat 240
ctctagaage tgggatggae ttactattet tgtttatatt ttagatactg aaaggtgeta 300
tgcttctgtt attattccaa gactggagat aggcagggct aaaaaggtat tattattttt 360
cetttaatga tggtgetaaa attetteeta taaaatteet taaaaataaa gatggtttaa 420
teactaceat tqtqaaaaca taactqttaq actteecqtt tetqaaaqaa aqaqeateqt 480
tocaatgott gttcmctgtt cctctgtcat actgtatctg gaatgotttg taatacttgc 540
atgettetta gaccagaaca tgtaggteee ettgtgtete aagaettttt ttttettaat 600
tgcatttgtt ggctctattt taattttttt cttttaaaat aaacagctgg gaccatccca 660
aaagacaagc catgcataca actttggtca tgtatctctg caaagcatca aattaaatgc 720
acgettttgt catgteaaaa aaaaaaaaaa aaaaa
<210> 5
<211> 360
<212> DNA
<213> Homo sapiens
<400> 5
tttcagggga ggagacaagg tttcttgttt gccgtatatg ctcctgcaga gaagaggaag 60
tgaccgtgga ggccatctgg ccctgtgttt tgatatggca aaattaatga atgcaatcag 120
aagacetttq agcaagaaaq taccetqqaa caacecaatt tqqactqcaa qtattaqttq 180
ggtettecag qtgeetetea caqeaqeaqt catqqeaqea gtgaetetag ceatqtecat 240
gaccaactgc tgcataacaa atagccccga gactcagcag cttacaacag ggtccccagc 300
ccacagactq gcactggtcc atggcttgtt aggaacctga ctgccgcacc agaaggtgag 360
<210> 6
<211> 122
<212> DNA
<213> Homo sapiens
<400> 6
tgggagacaa tttcacatgg actttggaaa atattttttt cctttgcatt catctctcaa 60
acttagtttt tatctttgac caaccgaaca tgaccaaaaa ccaaaagtgc attcaacctt 120
ac
<210> 7
<211> 403
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1) ... (403)
<223> n=A,T,C or G
<400> 7
aaaaagatga ataaatgaat aagagagatg aataaacaaa tttacattac atgtgatagt 60
tatcatggta tggccttcat gacaagatgg atgagaatat cactgatagg atattagcct 120
tettteatat etttatattg aaatatggge titaetteaa titgaaggte titeatgaae 180
```

```
aataaaaqag aqtagaagga ctgtctgaga aqgcaqgaga catataaaac agatgactga 240
aagactgact agctcctgga aagggaaaca tttggaacat ccagagtaag ggcaaatggg 300
cttctaccag cacaacaan agcctccagg tggcaacatg gaagcaggtt atcagagaaa 360
ataaatgtgc aaatteenta tttacnatga encacttaac coc
<210> 8
<211> 314
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(314)
<223> n=A, T, C or G
<400> 8
tttttttttt tttttgtttt ttttaattgc aactggactt ttattgtgca gttacaacaa 60
caaatgtttt cagaaaaata tttggaaaaa atataccact tcatagctaa gtcttacaga 120
naanaqqatt tqctaataaa acttaaqttt tqaaaattaa natqcaqqta qtqcttntqa 180
actaatgccc acagetecaa ggaanacatg teetatttag ttatteaaat acaagttgag 240
ggcattgnga ttaancaaac aatatatttg ttanaacttt gtttttaaan tactgntoot 300
tgacattact tata
<210> 9
<211> 451
<212> DNA
<213> Homo sapiens
<400> 9
ctgctattct gccaaaagac aatttctaga gtagttttga atgggttgat ttcccccact 60
cccacaact ctgaagccag tgtctagctt actgaaaaaa gagttgtata taatatttaa 120
gatgctqaqt atttcatagg aaaqctqaat qctqctqtaa aqtqctcttt aaqtcttttt 180
ttttttttaat cecettetaa tgaatgaaac taggggaatt teaggggaca gagatgggat 240
ttgttgtatg ataaactgta tgtagttttt agtctttctg ttttgagaag cagtggttgg 300
ggcattttta agatggctgg ctactcttgt tttccctcat gataataaat ttgtcataac 360
teagtaacat gaactigeee etagaggtag ttgttaataa ttttgaaata ttaaggtett 420
gecaagette tgatgattea cacetgtact a
<210> 10
<211> 595
<212> DNA
<213> Homo sapiens
<400> 10
cttttattgg aagcagcagc cacatccctg catgatttgc attgcaatac aaccataacc 60
gggcagccac tcctgagtga taaccagtat aacataaacg tagcagcctc aatttttgcc 120
tttatgacga cagettgtta tggttgcagt ttgggtctgg etttacgaag atggcgaccg 180
taacacteet tagaaactgg cagtegtatg ttagttteac ttgtctactt tatatgtetg 240
atcaatttgg ataccatttt gtccagatgc aaaaacattc caaaagtaat gtgtttagta 300
gagagagact ctaagctcaa gttctggttt atttcatgga tggaatgtta attttattat 360
gatattaaag aaatggoott ttattttaca tototocoot ttitocottt coccottat 420
ttteeteett ttetttetga aagttteett ttatgteeat aaaatacaaa tatattgtte 480
ataaaaaatt agtateeett ttgtttggtt getgagteac etgaacetta attttaattg 540
```

gtaattacag cocctaasaa aaacacattt casataggot toccactaaa otota

<211> 392

```
<210> 11
<211> 518
<212> DNA
<213> Homo sapiens
<400> 11
cattgagcta ggcacattac tetetgaacg aaattcatat tatettatta aggaagagtg 60
ttggtcttca ggagggaag tttgctgtat tggatgccat catcgtgtcc ttgtcattgc 120
ccttccggtt ttcattcttg ctaaacccct gtgaatgttc ttctaacctt cctgttcccc 180
acccetttte teagatttga eetagaatte eeageecaaa teeataattt ettageteta 240
atacgaattt tcatgttgga caaaaaccta gctacaaatg ggtttctatg gaacttctaa 300
ttaatgtgca aaatacatat tttctccagg ttaagaaatt ttaagtcaga tcatgctgac 360
acaataagaa aatttgtttg tgtaattcat tgacctcttc cttccaaaat aacatcaagt 420
agecacetea gtgtgacaat atecagteaa tagtagagaa tttaateett ggteetataa 480
aaqaataaaa ttcattgtcg taaaaaaaaa aaaaaaaa
<210> 12
<211> 651
<212> DNA
<213> Homo sapiens
<400> 12
atotttatgc aagacaagag tcagccatca gacactgaaa tatattatga tagattatga 60
agaattttct ctgtagaatt atattcttcc tggaacctgg tagagtagat tagactcaaa 120
ggetttttet teettttett acteetgttt tttceactea etetteeeaa gagattteet 180
aaagetteaa gettaataag eetaatagtg aaaaataact gaatttaatg gtataatgaa 240
gttottcatt tocagacato tttaattgat ottaaagoto atttgagtot ttgcccctga 300
acaaagacag acccattaaa atctaagaat tctaaatttt cacaactgtt tgagcttctt 360
ttcattttga aggatttgga atatatatgt tttcataaaa gtatcaagtg aaatatagtt 420
caactateet tatttatatt gaceteaaga acteeatttt atgeaatgea gaceaetgag 540
atatagetaa cattettea aataattite ettitettit ataatteete tatageaaat 600
ttttatgtat aactgattat acatatccat atttatattt cattgattcc a
<210> 13
<211> 551
<212> DNA
<213> Homo sapiens
<400> 13
gtcaacttgg agcggctaat gcatctggag tttgggcgag ggtttatgta tgacaggccc 60
ctgaggetta acttgetqqa cttgqattat qaactagegg ageagettqa caacattgec 120
gagaaagett getgtggggt teeetgeaag tgetetggge agaggggaga eegegggeee 180
atoggoagca togggocaaa gggtattoot ggagaagaog gotacogagg ctatootggt 240
gatgagggtg gacccggtga gcgtggtccq cctggtgtga acqqcactca aqqtttccaq 300
ggctgcccgg gccagagagg cctgagccc ccggtcctta tttttatgac ctcaccgtca 360
ceteageeca tgateagtee etggttetga ageagaacet caeggteaeg gacegegtea 420
ttggaggeet getegetggg cagacatace atgtggetgt ggtetgetae etgaggtete 480
aggicagage cacetageat ggaagtitea gtacaaagaa ateteageee ecaceteeac 540
agccagcaag g
                                                                551
<210> 14
```

```
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(338)
<223> n=A,T,C or G
<400> 14
atggggtaga ceteggecae atttatggag acaatetgga gegteagtat caactgegge 60
tctttaagga tgggaaactc aagtaccagg tgctggatgg agaaatgtac ccgccctcgg 120
tagaagagge geetgtgttg atgeactace ceegaggeat eeegeeceag ageeagatgg 180
etgtgggeea ggaggtgttt gggetgette etgggeteat getgtatgee aegetetgge 240
tacgtgagca caaccgtgtg tgtgacctgc tgaaggctga gcaccccacc tggggcgatg 300
ageaagettt ttecagaega ecegeeteat ecteatangg ggagaecate aaagaattgt 360
categaggaa gtaegtgeea geaagettga at
<210> 15
<211> 353
<212> DNA
<213> Homo sapiens
<221> misc_feature
<222> (1)...(333)
<223> n=A,T,C or G
<400> 15
eggagaaaca tgtattteat geaaacceat ceagtgtace acgtaaaace tggtgggeea 60
gtaaatetee tgacaataaa cetgtttggt atggtettga tatgaacaga gggteteagt 120
tegettatgg agaccaccaa teacctaata cagccattac teagatgact tttttgegec 180
ttttatcaaa agaagcetee cagaacatea ettacatetg taaaaacagt gtaggataca 240
tggacgatca agctaagaac ctcaaaaaag ctgtggttct caaaggggca aatgacttag 300
atateaaage agagggaaat attagattee ggnatategt tetteaagae aet
<210> 16
<211> 487
<212> DNA
<213> Homo sapiens
<400> 16
gaaatacttt ctgtcttatt aaaattaata aattattggt ctttacaaga cttggataca 60
ttacagcaga catggaaata taattttaaa aaatttotot ocaacotoot toaaattoag 120
teaceaetgt tatattaeet teteeaggaa eeeteeagtg gggaaggetg egatattaga 180
tttccttgta tgcaaagttt ttgttgaaag ctgtgctcag aggaggtgag aggagaggaa 240
ggagaaaact gcatcataac tttacagaat tgaatctaga gtcttccccg aaaagcccag 300
aaacttotot goagtatotg gottgtocat otggtotaag gtggotgett ottooccage 360
catgagtcag tttgtgccca tgaataatac acgacctgtt atttccatga ctqctttact 420
gtatttttaa ggtoaatata ctgtacattt gataataaaa taatattctc ccaaaaaaaa 480
aaaaaaa
<210> 17
<211> 226
<212> DNA
```

```
<213> Homo sapiens
<400> 17
ttcttagatt tttacatttt tattttaaaa caqagaattt catattgatt aacacctact 60
actaaacaga atgatgcatt aattaaatgc cttgtcctaa ctgttataag ctctgttaga 120
aaaataaaca teteaceaca aactacaqtq teagetettt aataaataca taaaacaqaa 180
gttagtagtc aatcagagtt atatgaacag gggtcatagg tatatt
<210> 18
<211> 610
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(586)
<223> n=A,T,C or G
<400> 18
ttaactaaca agaatgggta ggtatgtcta cgtttcatta acaaattttt attattttta 60
ttotattata tgagatoott ttatattato atotoacttt taaacaaaat taactggaaa 120
aatattacat ggaactgtca tagttaggtt ttgcagcatc ttacatgtct tgtatcaatg 180
qcaqqaqaaa aatatqataa aaacaatcaq tqctqtqaaa aacaactttc ttctaqaqtc 240
ctcttacttt ttattcttct ttatcatttg tgggtttttc ccccttggct ctgatcactt 300
taacttcaag cttatgtaac gactgttata aaactgcata tttaaattat ttgaattata 360
tgaaataatt gttcagctat ctqqqcaqct gttaatqtaa acctqagaqt aataacacta 420
ctettttate tacetggaat acttttetge ataaaattta tetttgtaag etaactetat 480
taatcaggtt tottotagco totgcaacct acttoagtta gaattgtota atactgctot 540
attaatcagg tttctagcct ctacaaccta cttcagttaa aattgnctaa tacagcaata 600
tttaaaaaaa
<210> 19
<211> 362
<212> DNA
<213> Homo sapiens
<400> 19
ccaggaatct aataaaatgc actccatgaa tggattcatg tatgggaatc agccgggtct 60
cactatgtgc aaaggagatt cqqtcgtgtq qtacttattc agcqccggaa atqagqccga 120
tgtacatgga atatactttt caggaaacac atatctgtgg agaggagaac ggagagacac 180
agcaaacctc ttccctcaaa caagtcttac gctccacatg tggcctgaca cagagggac 240
ttttaatgtt gaatgeetta caactgatea ttacacagge ggeatgaage aaaaatatae 300
tgtgaaccaa tgcaggcgc agtctgagga ttccaccttc tacctgggag agaggacata 360
<210> 20
<211> 493
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1) ... (382)
<223> n=A,T,C or G
```

```
<400> 20
egegggaegg ageetteetg ceaagaetee tteatgtaeg acaeeeetea agaggtggee 60
gaagetttee tgtetteeet gacagagace atagaaggag tegatgetga ggatgggeae 120
ggcccagggg aacaacagaa geggaagate gtcctggacc ettcaggete catgaacate 180
tacctggtgc tagatggatc agacagcatt ggggccagca acttcacagg agccaaaaag 240
tgtctagtca acttaattga gaaggtggca agttatggtg tgaagccaag atatggtcta 300
gtgacatatg ccacataccc caaaatttgg gtcaaaagtg tctgaagcag acagcagtaa 360
tgcagactgg gtcaccaagc anctcaatga aaatcaatta tgaagaccac aagttgaagt 420
caggggacta acaccaagaa nggccctcca gcagtgtaca ncatgatgag cttggccaga 480
tgacgtccct tct
<210> 21
<211> 394
<212> DNA
<213> Homo sapiens
<221> misc feature
<222> (1) ... (362)
<223> n=A, T, C or G
<400> 21
tttcatctga ccatccatat ccaatgttct catttaaaca ttacccagca tcattgttta 60
taatcagaaa etetggteet tetgtetggt ggcaettaga gtettttgtg ccataatgea 120
gcagtatgga gggaggattt tatggagaaa tggggatagt cttcatgacc acaaataaat 180
aaaggaaaac taagctgcat tgtgggtttt gaaaaggtta ttatacttct taacaattct 240
ttttttcagg gacttttcta gctgtatgac tgttacttga ccttctttga aaaqcattcc 300
cassatgete tattttagat agattaacat taaccaacat aattttttt agategagte 360
ancataaatt totaagtoag cototantog tggt
<210> 22
<211> 452
<212> DNA
<213> Homo sapiens
<400> 22
eggggagega gtgegetgag tgggeetggg ggeeetgeac eeccageage aaggattgeg 60
gegtgggttt cegcgagggc acctgegggg cecagaccca gegcatecqg tgeagggtgc 120
cctgcaactg gaagaaggag tttggagccg actgcaagta caagtttgag aactggggtg 180
egtgtgatgg gggcacaggc accaaagtcc gccaaggcac cetgaagaag gegegetaca 240
atgeteagtg ccaggagace atcegegtea ccaagecetg caceeccaag accaaagcaa 300
aaggccaaag ccaagaaagg gaagggaaag gactagacgc caagcctgga tgccaaggag 360
occetytyte acatygygee tyeccaegee etecetetee caggeocgag atytyaccea 420
ccagtgcctt ctgtctgctc gttagctttt aa
<210> 23
<211> 297
<212> DNA
<213> Homo sapiens
<400> 23
cgtgtgagca tggtattttg tctcggaaga aaaaaatatg ggtcaggcgc aaagtaagcc 60
caccccactg ggaactatgt taaaaaaaaa tttcaagatt taagggagat tacqqtqtta 120
```

```
ctatgacacc agaaaaactt agaactttgt gtgaaataga ctggctaaca ttagaggtgg 180
 gttggctatc agaagaaagc ctggagaggt cccttqtttc aaaggtatgg cacaaggtaa 240
 cctqtaaqcc aaagcacccq gaccagttte tatacataga cagttacage tggttta
 <210> 24
 <211> 396
 <212> DNA
 <213> Homo sapiens
<220>
<221> misc feature
 <222> (1)...(392)
 <223> n=A,T,C or G
<400> 24
tttttttttt tttttttta gtgaaaacct tttttattat attctttttt ggccctgctt 60
tttgtgttcc attacagggt taaattcaaa caggagtgag aacaagtggg tttataaatc 120
ttaccacaaa tacaatttga acaatggtta ctttagagat attgctaaag ttaaccactg 180
ggtgaactaa aagatcccat agaaaatgta aagatacagg tttggcatta cagatggaac 240
actacattaa gctaatcata gtagctactq attgtgaaat tataattatq gqattatcqt 300
gcctagcata agtaatgaaa aattaagaaa agtggtaata gcagaaaaag cttgatctat 360
catcttgata gaactgccca tatctaggat gncatc
<210> 25
<211> 480
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(434)
<223> n=A,T,C or G
<400> 25
cacaaqaaqq ctqaqqctaa aataqctqaa aqttaqtaqa aaqtqtqcct qcctcatqqt 60
gcattcctgg agaaatctca agttgtagaq gtgtttgttt cactgaacaa cttgtaaaac 120
agttaagtta ttatagctat aataacatta gacaaagctg tctgcatcaa ctggattcca 180
ttgattgaag gtgttacaga tttatgacag tcaataccat ttccagtgaa aaacgtaagt 240
ttaccccttt tgaaataatc actgcaatgc atatgctggt aataatggaa cttcaggtat 300
ctcctgcttt cctaaactga tatgaataag tactacaagg ctttaatgca tcatgccaaa 360
ttgtgttttc accagatgaa gaaagatttt tagtgattca ctaactgagg acaatcaaac 420
tottcatgat ctanaacccc aaagtttgag tottctggaa atgtcatcag aaaaaaacat 480
<210> 26
<211> 456
<212> DNA
<213> Homo sapiens
<400> 26
aaaatagcat tgcatacatg gatcaggcca gtggaaatgt aaagaaggcc ctgaagctga 60
tggggtcaaa tgaaggtgaa ttcaaggctg aaggaaatag caaattcacc tacacagttc 120
tggaggatgg ttgcacgaaa cacactgggg aatggagcaa aacagtcttt gaatatcgaa 180
cacgcaagge tgtgagacta cetattqtaq atattqcace ctatqacatt qqtqqtcctq 240
```

atcaaqaatt tggtgtggac gttggccctg tttgcttttt ataaaccaaa ctctatctga 300

aatcccaaca aaaaaaattt aactccatat gtgttcctct tgttctaatc ttgtcaacca 360 gtgcaagtga ccgacaaaat tccagttatt tatttccaaa atgttttggaa acagtataat 420 ttgacaaaga aaaatgatac ttctcttttt ttgctg <210> 27 <211> 320 <212> DNA <213> Homo sapiens <400> 27 tittittttt tittitttc aggaaatcac attigtatta gcaatattit agccagtact 60 ttctgcatct agatttattt cctttatgat cattaagatt ctcacctaaa caaqctgcca 120 aaatacatta cototgattt tatttagatt otaaaagtta ggatacaaaa agcacataaa 180 catctacaag taccaaaaca tttatgacct tataatttta tagtgcaaga aaaaggacaa 240 agacaggaat acaaataaat tataatctaa agagttacat ataaaatgtc cttgattatt 300 tqttaaaatc tqctaqaaaa <210> 28 <211> 331 <212> DNA <213> Homo sapiens <221> misc feature <222> (1)...(58) <223> n=A,T,C or G <400> 28 tetecatttg gtacaateae tagtgcaaag gttatgatgg agggtggteg cagcaaangg 60 tttggttttg tatgtttctc ctccccaqaa qaaqccacta aaqcaqttac aqaaatqaac 120 ggtagaattg tggccacaaa gccattgtat gtagctttag ctcagcgcaa agaagagcgc 180 caggeteace teactaacea gtatatgeag agaatggeaa gtgtacgage tgtteceaac 240 cetgtaatca accectacea gecageacet cetteaggtt aetteatgge agetatecea 300 cagactcaga acceptgetg catactatee t <210> 29 <211> 394 <212> DNA <213> Homo sapiens <220> <221> misc_feature <222> (1)...(30) <223> n=A,T,C or G <400> 29 gtgteeteeg ceegetttgt gteetegttn tneteggggg getaeggegg eggetaegge 60 ggcgtcctga ccgcgtccga cgggctgctg gcgggcaacg agaagctaac catgcagaac 120 ctcaacgacc gcctggcctc ctacctggac aaggtgcgcq ccctqqaqqc qqccaacqqc 180 gagetagagg tgaagateeg egactggtae cagaageagg ggeetgggee etecegegae 240 tacagecact actacacgae catecaggae etgegggaca agattettgg tgccaccatt 300 gagaacteca ngattgteet geagategae aacgeeegte tiggettgea gaatgaette 360 cgaaccaagt ttgagacgga acaggctctt gcgc 394

```
TOTAL TOTAL SECTIONS
```

```
<210> 30
<211> 295
<212> DNA
<213> Homo sapiens
<400> 30
gcaaagcctg agtcctgtcc tttctctctc cccggacagc atgagcttca ccactcgctc 60
caccttetec accaactace ggteeetggg etetgteeag gegeeeaget aeggegeeeg 120
gccggtcagc agcqcggcca gcgtctatgc aggcqctggq qqctctqgtt cccqgatctc 180
egtgteeege tecaccaget teaggggegg catggggtee gggggeetgg ceacegggat 240
agccqgqqqt ctqqcaqqaa tqqqaqqcat tcaqaacqaq aaqqaqacca tqcaa
<210> 31
<211> 399
<212> DNA
<213> Homo sapiens
<400> 31
gegegetetg cetgeegeet geetgeetge cactgagggt teccaquace atgagggeet 60
ggatettett teteetttge etggeeggga gggeettgge ageeesteag caagaaqeee 120
tgcctgatga gacagaggtg gtggaagaaa ctgtggcaga ggtgactgag gtatctgtgg 180
gagctaatcc tgtccaggtq qaaqtaggaq aatttqatqa tqgtqcagaq qaaaccqaaq 240
aggaggtggt ggcggaaaat ccctgccaga accaccactg caaacacggc aaggtgtgcg 300
agetggatga gaacaacace eccatgtgeg tgtgccagga eccaccage tgeccaccec 360
cattggcgaa tttgaaaaag gtgtgcagca aatgacaac
                                                                   399
<210> 32
<211> 476
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(61)
<223> n=A, T, C or G
<400> 32
ttttttttttt tttttatttt caaatgtgaa atcatgtcaa cattttaatc caaactcaat 60
ntatttaaca cacatattta agaggettac tacatcatgc aattggatta gaacacettt 120
acaatcotat gaagagagta cagtgcagaa aagtcatato tttacattaa ccaacaaaat 180
cttagcaatt atattttagt cttacatcac tacagggttt aaaagtgatc gctgcaaaat 240
cagattttaa aaatatette cacaateatg atttttgtee tteaetgnte aagtaaaate 300
ttgtgtcatc cagttgcaaa atcttattat tgataacacg tatacgtgta tacaaaccac 360
actgcaaatt aacaaaagaa ttgtcccagt caggctgaca aagtttaata aagggacact 420
totaatotaa toatttoato ttogaagtaa tattggtatt ototacoato tattoa
<210> 33
<211> 349
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(214)
```

```
<223> n=A, T, C or G
<400> 33
cggaaaactt cgaggaattg ctcaaagtgc tgggggtgaa tgtgatgctg aggaagattg 60
ctgtggctgc agcgtccaag ccagcagtgg agatcaaaca ggagggagac actttctaca 120
tcaaaacctc caccaccqtg cgcaccacaq aqattaactt caaqgttqqq qaqqagtttq 180
aggagcagac tgtggatggg aggccctgta agancctggt gaaatgggag agtgagaata 240
aaatggtotg tgagcagaaa ctootgaagg gagaaggcoo caagacotot ggaccagaga 300
actgaccace atggggaact gateetgace ttacggegga tgacgttgt
<210> 34
<211> 323
<212> DNA
<213> Homo sapiens
<400> 34
gaaagcagtg tcaagacagt aaggattcaa accatttgcc aaaaatgagt ctaagtgcat 60
ttactotott cotgqcattg attggtggta coagtggcca gtactatgat tatgattttc 120
coctatoaat ttatgggcaa toatoaccaa actgtgcace agaatgtaac tgccctgaaa 180
gctacccaag tgccatgtac tgtgatgagc tgaaattgaa aagtgtacca atggtgcctc 240
ctggaatcaa gtatctttac cttaggaata accagattga ccatattgat gaaaaggcct 300
ttgaaaatgt aactgatctg cag
<210> 35
<211> 301
<212> DNA
<213> Homo sapiens
<221> misc_feature
<222> (1)...(75)
<223> n=A, T, C or G
<400> 35
aaaaagtgag tactgtggat atttaaaata tcacagtaac aagatcatgc ttgttcctac 60
agtattgcgg gccanacact taagtgaaag cagaagtgtt tgggtgactt tcctacttaa 120
aattitggtc atatcatttc aaaacatttg catcttggtt ggctgcatat gctttcctat 180
tgatcccaaa ccaaatctta gaatcacttc atttaaaata ctgagcggta ttgaatactt 240
cqaaqcaqaa caggcaatqt qcaqccctca tttatqaqaa aaccctcagg aaactcccag 300
```